

# The National Estuaries Restoration Inventory

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Restoration  
Washington, DC  
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# National Estuaries Restoration Inventory

Restoring one million acres of estuarine habitat by 2010



## National Estuaries Restoration Inventory (NERI)

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The purpose of the inventory is to:

- Track the acres of habitat restored toward the one million acre goal of the Estuary Restoration Act
- Serve as a knowledgebase by providing information on restoration techniques and monitoring
- Provide information for reports transmitted to Congress

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ERA Council:  
ACOE, NOAA, EPA, FWS, NRCS





## NERI Project Requirements

To be included in the inventory, projects must...

- Benefit estuaries and associated ecosystems
- Include monitoring to gauge the success of restoration efforts

If a project meets the following criteria, it will count towards the ERA acreage goal...

- Implementation began on or after November 7, 2000  
*(date the Act was signed into law)*
- Project monitoring meets ERA Council Monitoring Standards
- Project is not compensatory



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## NERI Features

- Inventory is publicly accessible
- Public can search inventory and run pre-defined reports
- Project summary pages with photos are available for individual projects
- Project managers can access and update project information through a password protected account



[Add/Update a Project](#)

[Search the Inventory](#)

[Maps](#)

[NOAA & the Estuary Restoration Act](#)

**National Estuaries Restoration Inventory**  
Restoring one million acres of estuarine habitat by 2010

[Home](#) | [About](#) | [Add/Update a Project](#) | [Search Inventory](#) | [Maps](#) | [Help](#) | [Contact Us](#)

### Log In to Add/Update a Project

A username and password are required to enter projects into the Inventory. To receive a username and password, basic project information must be submitted for review.

For assistance with adding or updating project information, see the printable version of all [inventory fields](#) and the detailed [Help Page](#).

**Notes:** This site is best viewed using Internet Explorer version 8.0 and above. Please enable java on your browser under Tools>Internet Options. In addition, turn off any pop-blockers as some components of the inventory will not function if they are enabled.

**New to the Inventory ?**  
[Register for a username and password](#)

NOTE: To receive a username and password, you must have an eligible restoration project to add to the database. [Project requirements.](#)

**Already registered?**

User Name:

Password:

[Log In](#)

[\(Forgot your password?\)](#)

Site owned by: NOAA Restoration Center  
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Last Updated: July 20, 2006

NOAA DOC

# National Estuaries Restoration Inventory

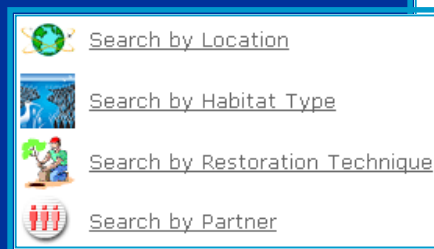
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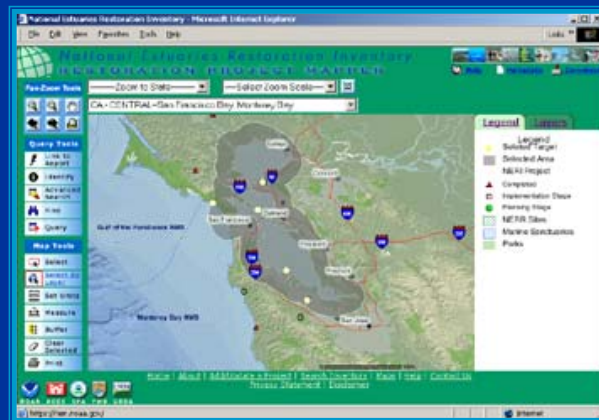
## NERI Search Capabilities

Search for individual projects by location, habitat, techniques, or partners...

Use additional fields to perform a detailed search...



Use the Restoration Project Mapper to perform a spatial search...





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## NERI Reporting Capabilities

View the inventory's status reports...

Show me:

Select one

Select one

Acres Restored by Habitat and Region  
Total Acres Restored by Region  
Total Acres Restored by Habitat Type  
Acres To Be Restored by Project Status  
Number of Projects by Project Status  
Acres Created, Rehabilitated, and Reestablished  
Complete List of Estuary Restoration Projects

View project profiles...

NOAA's National Estuaries Restoration Inventory - Microsoft Internet Explorer

National Estuaries Restoration Inventory  
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Home | About Inventory | Add/Update a Project | Search Inventory | Help | Contact Us

New Search

### A.J. Palonis Park Oyster Restoration

Tampa, FL

Total Project Cost:

Habitat Types Restored: oyster reef/shell bottom, salt marsh

Restoration Techniques: planting, reef construction, natural materials

Project Contacts: NOAA Restoration Center, Tampa Bay Watch

Aerial view of the future oyster restoration site.

More pictures...

Estuaries like Tampa Bay are among the most diverse and productive ecosystems in the world. More than 85 percent of all fish, shellfish and crustaceans spend some part of their lives in the protected estuarine waters of coastal wetlands. Due to problems associated with coastal development, the Tampa Bay estuary has experienced a tremendous loss of natural communities including saltmarsh habitats, mangrove forests, seagrass beds and oyster bars. Coastal wetland losses have exacerbated shoreline erosion, added to a reduction in water quality and resulted in major declines in fisheries and wildlife dependent on these habitats during a portion of their life cycle. Tampa BayWatch, in partnership with Coastal Conservation Association (CCA), proposed the creation of a series of oyster bars and shoreline plantings in an effort to restore lost habitat systems to the Bay, prevent further erosion of shorelines and improve water quality through natural biological filtration.

The Gandy embayment at A.J. Palonis Jr. Park is on the northeastern end of the Gandy Causeway. It is a semi-enclosed area where wave energy is lessened by contact with the remains of the revetment around the embayment. For many years the site was an illegal dumping grounds until efforts by the City of Tampa, the Bay Area Environmental Action Team, Tampa Port Authority, SWFWMD and others removed the accumulated debris and exotic plants, constructed upland parking and shallow tidal ponds. The park is owned and maintained by the City of Tampa.

In an effort to restore habitat value to the area, multiple restoration events were held in which 153 volunteers participated in hauling 40 tons of oyster shell. On May 9, 2003 10-15 staff from the NMFS Southeast Regional office participated in basing shell for the reef. These efforts resulted in

View full project reports...

National Estuaries Restoration Inventory - Microsoft Internet Explorer

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### Project Summary

#### A.J. Palonis Park Oyster Restoration

This is a summary of the information provided for this project. Use the index to jump to a specific section. To update information for the project, go back to the [User Home](#) page.

- [General Information](#)
- [Project Abstract](#)
- [Contact Information](#)
- [Geographic Location](#)
- [Habitat Types & Acreage Restored](#)
- [Restoration Techniques](#)
- [Monitoring & Success Criteria](#)
- [Project Benefits](#)
- [Restoration Plans](#)
- [Project Partners](#)
- [Project Budget](#)
- [Project Photos](#)

#### GENERAL INFORMATION

- Topic Sentence  
Tampa BayWatch will partner with the Coastal Conservation Association (CCA) of Florida and local community groups to create a series of new oyster bars and to plant salt marsh habitat at A.J. Palonis Jr. Park in Tampa Bay. Activities include placing oyster shell material on the tidal flats to create oyster reefs at five sites within the park and unvegetated shoreline behind the new oyster reefs will be planted with salt marsh vegetation.
- Does this project include monitoring to gauge the success of restoration efforts?
- Does this project's monitoring plan meet ERA Council Monitoring Standards?
- URL for monitoring data:
- Project status: **Implementation Complete**
- 6a. Provide the dates for each stage of this project as it occurs.

Planning start date:	April 2003
Implementation start date:	May 2003
Implementation completion date:	

- 6b. Date of termination:
7. Size of area directly manipulated: 0 acres
8. Size of area being monitored: 0 acres
9. Method of obtaining measurements from Q.7-8:

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#### PROJECT ABSTRACT

- Project Abstract:  
Estuaries like Tampa Bay are among the most diverse and productive ecosystems in the world.

Done Internet

# National Estuaries Restoration Inventory

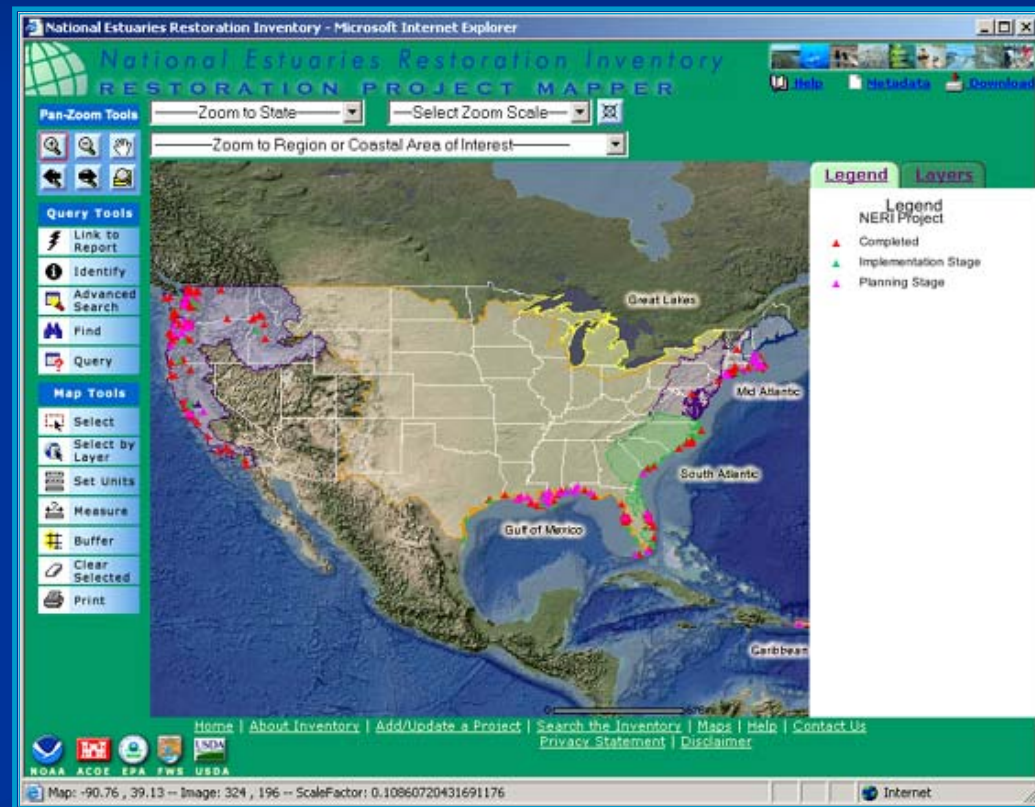
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## NERI Mapping Features

- Printable maps of restoration project information
- Interactive maps displaying project information along with base data layers such as public lands, watersheds, and jurisdictional boundaries.
- Spatial queries using the database and geographic data layers of interest
- Future enhancements will include higher resolution data layers and links to location data fields tracked in NERI

### NERI Restoration Project Mapper



*Scheduled for August 2004*

<http://neri.noaa.gov>





## NERI Demo



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## Data Collection

What types of data are collected?

- Project description
- Location
- Acres restored (by habitat)
- Restoration techniques (by habitat)
- Monitoring parameters (by habitat)
- Project partners and contacts
- Project photographs
- Project benefits
- Project budget
- Regional planning information

Whose data will be included?

- ☒ NOAA projects
  - ☒ Restoration Center (NMFS)
  - ☒ Coastal Protection and Restoration Division (NOS)
  - ☐ Other NOAA projects
- ☐ Other Federal Agencies
  - Currently coordinating with USFWS to collect data on restoration projects*
- ☐ State and Local Governments
- ☐ Regional Organizations
- ☐ Nonprofit Organizations

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## State/Regional inventories

Restoration Projects Alphabetically - Microsoft Internet Explorer

Louisiana Department of Natural Resources  
Coastal Restoration Division

Related Links: [Restoration Projects Listed Alphabetically](#)

The following table lists approved CWPPRA, implemented State, and non-CWPPRA Federal restoration projects alphabetically by state abbreviation.

State	Project Number	Federal Sponsor	Project Name
AT	AT-02	NMFS	Atchafalaya Sediment Delivery
AT	AT-03	NMFS	Big Island Mining
AT	AT-04	NMFS	Castilla Pass Channel Sediment Delivery
BA	BA-01	USACE	Davis Pond Freshwater Diversion
BA	BA-02	NRCS	GMW (Gulf Intercoastal Waterway) to Clovelly Hydrologic Restoration
BA	BA-03	NRCS	Naomi Diversion
BA	BA-03c	NRCS	Naomi Outfall Management
BA	BA-04	NRCS	West Pointe à la Hache
BA	BA-04c	NRCS	West Pointe à la Hache Outfall Management
BA	BA-05b	-	Queen Bess
BA	BA-05c	-	Bale de Châca
BA	BA-15	NMFS	Laake Sabalero Shore Protection Demonstration
BA	BA-18	NA	
BA	BA-19	US	
BA	BA-20	NF	
BA	BA-21	NA	
BA	BA-22	NF	
BA	BA-23	NF	
BA	BA-24	NA	
BA	BA-25	E	
BA	BA-25b	E	

FERI Search Page - Microsoft Internet Explorer

my Florida  
Department of Environmental Protection  
"More Protection. Less Process"

### Florida Ecological Restoration Inventory

Welcome to the Florida Ecological Restoration Inventory  
The information contained in these pages was developed by the Florida DEP and other agencies for the specific purpose of identifying ecological restoration projects within Florida.

☒ Search projects  
☐ Search case studies  
☐ Submit/update a project

Search projects:  
by County:  [All Counties] and/or by Organizations:  [All Organizations]

[Advanced Search](#)  
[Map Search](#)  
[Return to FER Home](#)

Puget Sound Basin  
3rd Field Hydrologic Unit: 171100

Completed and Requested Restoration  
1990-2001

Completed and Requested Restoration by  
Year, 1990 and 2001

Land Ownership

Habitat Restoration  
Providing data, information, and tools to coastal managers, educators, and the public to restore

California Ecological Restoration Projects Inventory (CERPI)  
(Information Center for the Environ - Microsoft Internet Explorer)

California Ecological Restoration Projects Inventory (CERPI)

The data in CERPI have been incorporated into the Natural Resource Projects Inventory (NRFPI).

- If you wish to search for projects, please go to the [NRFPI home page](#).
- If you wish to add projects, please use the new [NRFPI Online Form](#).

A combined private/non-profit/government effort to establish a database, accessible through the Internet, containing information on restoration projects in California. This information will further the practice and science of restoration and assist agencies and practitioners during restoration planning and implementation. CERPI is a program of [Natural Resource Projects Inventory \(NRFPI\)](#) which also includes [Watershed Projects Inventory \(WPI\)](#) and [Nonpoint Source Projects Inventory](#).

Major Partners:  
[Society for Ecological Restoration, California \(SERCA\)](#) | [California State Department of Conservation](#)  
[University of California at Davis \(UCD\)](#) | [U.S. Environmental Protection Agency \(EPA\)](#)  
and all those who shared their data.



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## Pilot Data Collection Efforts – Regional

- NERI database will store the project information
- Partner web sites will link to NERI database
- Partner projects can be displayed/searched as subset of NERI database



From the Gulf of Maine Habitat Restoration Strategy...

“The database section of the web portal will be a geographic module of the National Estuary Restoration Inventory and will be accessible through the GOM web portal as well as through the NERI itself. This will allow the GOM Council to leverage NOAA’s technical capacity in the development of the restoration inventory and will provide NOAA with essential restoration data for three New England states and two Canadian provinces.”



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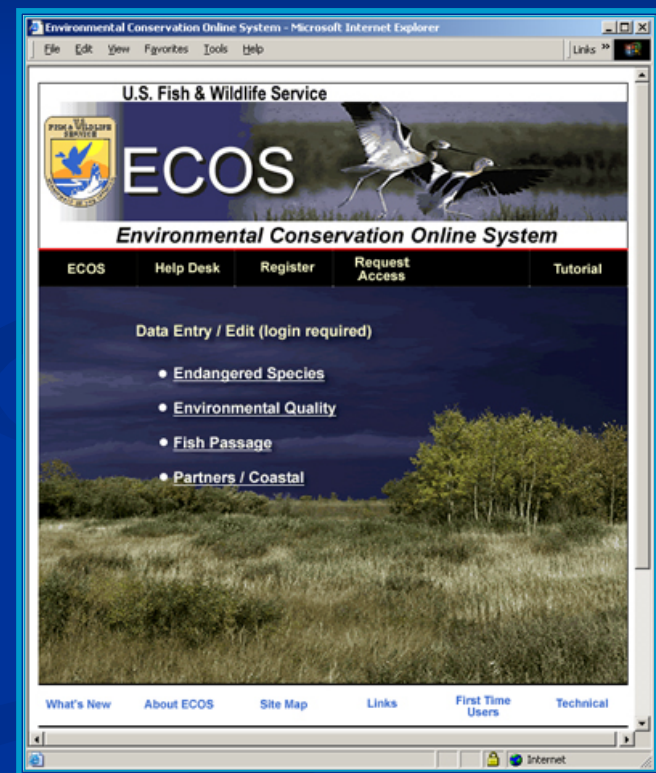


## Pilot Data Collection Efforts – Federal

### US Fish and Wildlife Service



- Habitat Information Tracking System (HabITS)
- Link to the FWS Coastal Program tracking system to add valuable information to NERI without duplicating data entry





## Benefits to participation in NERI

- Track and manage restoration projects
- Generate project summary reports based on desired criteria
- Increase public awareness and promote participation in restoration activities
- Maximize project partnership opportunities
- Use interactive mapping or advanced search capabilities to locate regional restoration efforts in order to assist in future restoration planning and design

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- ❑ Does your program have an existing system to track acres restored and/or other details on restoration projects?
- ❑ How can NERI serve your program's needs?
  - Reporting – project and summary reports
  - Public outreach
  - Spatial analysis/mapping
  - Project tracking
- ❑ What assistance is needed to include your program's projects?
  - Build upon regional data collection efforts in the Gulf of Maine and Gulf of Mexico regions
  - NOAA Restoration Center staff is available to facilitate importing from existing project databases
  - Possible summer intern assistance



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## Questions? Comments?

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<http://neri.noaa.gov>



## We need your feedback...

- Does your program have an existing database to track acres restored and/or other details on restoration projects?
- Are key fields compatible?
  - Habitat types
  - Restoration categories
  - Techniques
- Is it feasible to design/retrofit internal databases for compatibility/data-sharing with the national inventory?
  - Common identifier
  - Project “ownership”
- Would simply using the national inventory instead of creating your own database be useful internally?
  - What features would be necessary?